

SECRET NUMBER

027651-285

U.S. APPLICATION NO. ~~known~~ <sup>see</sup> CFR 1.5)

10/551950

PRIORITY DATE CLAIMED  
April 8, 2003

**TITLE OF INVENTION**

# A METHOD AND AN APPARATUS FOR THE CONTINUOUS MIXING OF TWO FLOWS

APPLICANT(S) FOR DO/EO/US


LUNDGREN, Eric and Bengt PALM

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission to items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (22) indicated below.
4. ☐ The US has been elected by the expiration of 19 months from the priority date (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a. ☒ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2))
  - a. ☐ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

**Items 11 to 21 below concern document(s) or information included:**

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A FIRST preliminary amendment.
14. ☐ A SECOND or SUBSEQUENT preliminary amendment.
15. ☐ A substitute specification.
16. ☐ A change of power of attorney and/or address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 C.F.R. 1.821 - 1.825.
18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☒ Other items or information: General Authorization for Petitions for Extensions of Time and Payment of Fees, Application Data Sheet and PCT/ISA210

U.S. APPLICATION NO. <b>10/551950</b> INTERNATIONAL APPLICATION NO. PCT/SE2004/000567		ATTORNEY'S DOCKET NUMBER 027651-285																																																							
21. <input checked="" type="checkbox"/> Applicant(s) requests that the published application include the following assignment information: <u>TETRA LAVAL HOLDINGS &amp; FINANCE SA</u>     		<b>CALCULATIONS PTO USE ONLY</b>																																																							
22. <input checked="" type="checkbox"/> The following fees are submitted:		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">Basic Filing Fee (1631)</td> <td style="text-align: right;">\$ 300.00</td> </tr> <tr> <td colspan="2">           Surcharge of \$130.00 (1617) for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).         </td> <td></td> </tr> <tr> <td style="text-align: center;">CLAIMS</td> <td style="text-align: center;">NUMBER FILED</td> <td style="text-align: center;">NUMBER EXTRA</td> </tr> <tr> <td>Total Claims</td> <td style="text-align: center;">11</td> <td style="text-align: center;">-20 = 0</td> </tr> <tr> <td>Independent Claims</td> <td style="text-align: center;">2</td> <td style="text-align: center;">-3 = 0</td> </tr> <tr> <td colspan="2">MULTIPLE DEPENDENT CLAIM(S) (if applicable)</td> <td style="text-align: right;">+ \$360.00 (1616)</td> </tr> <tr> <td colspan="2">Examination Fee</td> <td style="text-align: right;">+ \$200.00 (1633) \$ 200.00</td> </tr> <tr> <td colspan="2">Search Fee</td> <td style="text-align: right;">+ \$400.00 (1432) \$ 400.00</td> </tr> <tr> <td colspan="2">App. Size Fee (add \$250.00 for each add'l 50 sheets exceeding 100 sheets)</td> <td style="text-align: right;">\$ 0.00</td> </tr> <tr> <td colspan="2" style="text-align: right;">TOTAL OF ABOVE CALCULATIONS =</td> <td style="text-align: right;">\$ 900.00</td> </tr> <tr> <td colspan="2"> <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.         </td> <td style="text-align: right;">+ \$ 0.00</td> </tr> <tr> <td colspan="2" style="text-align: right;">SUBTOTAL =</td> <td style="text-align: right;">\$ 900.00</td> </tr> <tr> <td colspan="2">           Processing fee of \$130.00 (1618) for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).         </td> <td style="text-align: right;">\$ 0.00</td> </tr> <tr> <td colspan="2" style="text-align: right;">TOTAL NATIONAL FEE =</td> <td style="text-align: right;">\$ 900.00</td> </tr> <tr> <td colspan="2">           Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 (8021) per property +         </td> <td style="text-align: right;">\$ 0.00</td> </tr> <tr> <td colspan="2" style="text-align: right;">TOTAL FEES ENCLOSED =</td> <td style="text-align: right;">\$ 900.00</td> </tr> <tr> <td colspan="2"></td> <td style="text-align: right;">Amount to be refunded :</td> </tr> <tr> <td colspan="2"></td> <td style="text-align: right;">charged :</td> </tr> </table>		Basic Filing Fee (1631)		\$ 300.00	Surcharge of \$130.00 (1617) for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).			CLAIMS	NUMBER FILED	NUMBER EXTRA	Total Claims	11	-20 = 0	Independent Claims	2	-3 = 0	MULTIPLE DEPENDENT CLAIM(S) (if applicable)		+ \$360.00 (1616)	Examination Fee		+ \$200.00 (1633) \$ 200.00	Search Fee		+ \$400.00 (1432) \$ 400.00	App. Size Fee (add \$250.00 for each add'l 50 sheets exceeding 100 sheets)		\$ 0.00	TOTAL OF ABOVE CALCULATIONS =		\$ 900.00	<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.		+ \$ 0.00	SUBTOTAL =		\$ 900.00	Processing fee of \$130.00 (1618) for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).		\$ 0.00	TOTAL NATIONAL FEE =		\$ 900.00	Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 (8021) per property +		\$ 0.00	TOTAL FEES ENCLOSED =		\$ 900.00			Amount to be refunded :			charged :
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a. <input type="checkbox"/> A check in the amount of _____ to cover the above fees is enclosed.																																																									
b. <input type="checkbox"/> Please charge my Deposit Account No. <u>02-4800</u> in the amount of _____ to cover the above fees. A duplicate copy of this sheet is enclosed.																																																									
c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>02-4800</u> . A duplicate copy of this sheet is enclosed.																																																									
d. <input checked="" type="checkbox"/> Charge <u>\$ 900.00</u> to credit card. Form PTO-2038 is attached.																																																									
<b>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</b>																																																									
SEND ALL CORRESPONDENCE TO:  Burns, Doane, Swecker & Mathis, L.L.P. P.O. Box 1404 Alexandria, Virginia 22313-1404 (703) 836-6620		<div style="text-align: center;">             SIGNATURE         </div> <div style="text-align: center;">           _____            NAME         </div> <div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">           _____            REGISTRATION NO.         </div> <div style="text-align: center;">           _____            DATE         </div> </div>																																																							

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of	)	
Eric LUNDGREN et al.	)	Group Art Unit:
Application No.:	)	Examiner:
Filed: October 6, 2005	)	Confirmation No.:
For: A METHOD AND AN APPARATUS	)	
FOR THE CONTINUOUS MIXING OF	)	
TWO FLOWS	)	
	)	

**GENERAL AUTHORIZATION FOR PETITIONS  
FOR EXTENSIONS OF TIME AND PAYMENT OF FEES**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. § 1.136(a)(3), the U.S. Patent and Trademark Office is hereby provided with a general authorization to treat any concurrent or future reply requiring a petition for an extension of time for its timely submission as containing a request therefor for the appropriate length of time.

The Commissioner is hereby authorized to charge any appropriate fees under 37 C.F.R. § 1.17 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BUCHANAN INGERSOLL PC

Date: October 6, 2005

By: Matthew L. Schneider  
Matthew L. Schneider  
Registration No. 32,814

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